

K 2

****FILE**ID**EDFSTRUCT**

EEEEEEEEE EDDDDDDDD FFFFFFFFF SSSSSSSS TTTTTTTT RRRRRRRR UU UU CCCCCCCC TTTTTTTTT
EEEEEEEEE DDDDDDDDD FFFFFFFFF SSSSSSSS TTTTTTTT RRRRRRRR UU UU CCCCCCCC TTTTTTTTT
EE DD DD FF SS TT RR RR UU UU CC TT
EE DD DD FF SS TT RR RR UU UU CC TT
EE DD DD FF SS TT RR RR UU UU CC TT
EE DD DD FF SS TT RR RR UU UU CC TT
EEEEE EEE DD DD FFFFFFFF SSSSSS TT RRRRRRRR UU UU CC TT
EEEEE EEE DD DD FFFFFFFF SSSSSS TT RRRRRRRR UU UU CC TT
EE DD DD FF SS TT RR RR UU UU CC TT
EE DD DD FF SS TT RR RR UU UU CC TT
EE DD DD FF SS TT RR RR UU UU CC TT
EEEEE EEE DDDDDDDD FF SSSSSSSS TT RR RR UUUUUUUUUU CCCCCCCC TT
EEEEE EEE DDDDDDDD FF SSSSSSSS TT RR RR UUUUUUUUUU CCCCCCCC TT

The diagram consists of three columns of symbols. The first column contains the symbol 'L' repeated 12 times. The second column contains the symbol 'I' repeated 12 times, arranged in a zigzag pattern. The third column contains the symbol 'S' repeated 12 times, also arranged in a zigzag pattern.

```

1 MODULE      EDFSTRUCT;
2 /* EDFSTRUCT - Structure definitions for EDIT/FDL
3 */
4 /* Version      'V04-000'
5 */
6 ****
7 /*
8 /* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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22 /*
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24 /* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
25 /*
26 /*
27 ****
28 */
29 */
30 /* FACILITY: EDIT/FDL (EDF)
31 */
32 /* ABSTRACT:
33 */
34 /*
35 /* This file contains the SDL source for EDIT/FDL (EDF).
36 */
37 /* ENVIRONMENT:
38 */
39 /* n/a
40 */
41 */
42 */
43 */
44 /* AUTHOR: Ken Henderson      CREATION DATE: Sep-1982
45 */
46 /* MODIFIED BY:
47 */
48 /* V03-003 KFH0003      Ken Henderson      8 Sep 1983
49 /* Fixed "," in constant list.
50 */
51 /* V03-002 KFH0002      Ken Henderson      26 Apr 1983
52 /* Added offsets for ADD_KEY, DELETE_KEY
53 /* scripts.
54 */
55 /* V03-001 KFH0001      Ken Henderson      14 Apr 1983
56 /* Added offsets for SET FUNCTION,
57 /* GRANULARITY, PROMPTING, RESPONSES.

```

M 2
15-SEP-1984 22:43:35

\$255\$DUA28:[EDF.SRC]EDFSTRUCT.SDL;1

```
58  /*
59  */
60
61  /** Non-QTAB offsets, for variables that don't correspond to questions.
62  /**
63  /** They should be ordered: IDATA, BDATA, RDATA, SDATA types.
64  /** (NON-STORAGE) means an identifier just generates a constant,
65  /** but will have an array location - which is never accessed.
66  /**
67  /**
68  /** xxx_HIGH identifiers MUST immediately follow the xxx_LOW identifiers!!!
69  /**
70
71  /** IDATA OFFSETS FOLLOW
72
73      #MARK0 = 0;
74
75  CONSTANT (
76
77      "FDL_FILL",
78      "FINAL_DESIGN",          /** (NON-STORAGE)
79      "FIRST_SCRIPT",
80      "WRITE_PLOT",           /** (NON-STORAGE)
81      "Y_HIGH",
82      "Y_LOW",
83      "Y_INCR"
84
85      ) EQUALS #MARK0
86      INCREMENT 1
87      PREFIX "EDFS"
88      COUNTER #MARK1;
89
90  /** BDATA OFFSETS FOLLOW
91
92  CONSTANT (
93
94      "DUMMY"
95
96      ) EQUALS #MARK1+1
97      INCREMENT 1
98      PREFIX "EDFS"
99      COUNTER #MARK2;
100
101 /** RDATA OFFSETS FOLLOW
102
103  CONSTANT (
104
105      "ADDED_FILL",
106      "LOAD_FILL"
107
108      ) EQUALS #MARK2+1
109      INCREMENT 1
110      PREFIX "EDFS"
111      COUNTER #MARK3;
112
113 /** SDATA OFFSETS FOLLOW
114
115  CONSTANT (
```

15-SEP-1984 23:00:51.12
15-SEP-1984 22:43:35

SDL V2.0
\$255\$DUA28:[EDF.SRC]EDFSTRUCT.SDL;1

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117      "PLACE HOLDER"
118
119      ) EQUALS #MARK3+1
120      INCREMENT 1
121      PREFIX "EDFS"
122      COUNTER #MARK4;
123
124      /** QTAB equivalent offsets that correspond to actual questions
125      /**
126      /** They should be ordered SDATA, RDATA, BDATA, IDATA types
127
128      /** SDATA OFFSETS FOLLOW
129
130      CONSTANT (
131
132          "DATA FILE NAME",
133          "FDL TITLE",
134          "KEY NAME",
135          "ANALYSIS",
136          "OUTPUT"
137
138          ) EQUALS #MARK4+1
139          INCREMENT 1
140          PREFIX "EDFS"
141          COUNTER #MARK5;
142
143      /** RDATA OFFSETS FOLLOW
144
145      CONSTANT (
146
147          "DATA KEY COMP",
148          "DATA RECORD COMP",
149          "INDEX RECORD COMP"
150
151          ) EQUALS #MARK5+1
152          INCREMENT 1
153          PREFIX "EDFS"
154          COUNTER #MARK6;
155
156      /** BDATA OFFSETS FOLLOW
157
158      CONSTANT (
159
160          "KEY COMP WANTED",
161          "REC COMP WANTED",
162          "IDX COMP WANTED",
163          "ASCENDING ADDED",
164          "ASCENDING LOAD",
165          "BLOCK SPAN",
166          "CONFIRM",
167          "SEGMENTED",
168          "GLOBAL WANTED",
169          "KEY CHANGES",
170          "KEY DIST",
171          "KEY DUPS",
172          "RETURN"
173
174          ) EQUALS #MARK6+1
175          INCREMENT 1
176          PREFIX "EDFS"

```

15-SEP-1984 23:00:51.12
15-SEP-1984 22:43:35

SDL V2.0
\$255\$DUA28:[EDF:SRC]EDFSTRUCT.SDL;1

Page 4

```

177      COUNTER #MARK7;
178  /** IDATA OFFSETS FOLLOW
180  CONSTANT (
182
183      "CLUSTER_SIZE",
184      "ACTIVE KEY",
185      "ADDED_COUNT",
186      "ADDED_COUNT_LOW",
187      "ADDED_COUNT_HIGH",
188      "BLOCKS_IN_BUCKET",
189      "BUCKET_WEIGHT",
190      "CARR_CTRL"          /** QUALIFIER TYPE
191      "CONTROL_SIZE",
192      "CURRENT_FUNCTION",
193      "DESIGN_CYCLE",
194      "DESIRED_FILL",
195      "FILL_LOW",
196      "FILL_HIGH",
197      "GLOBAL_COUNT",
198      "GRANULARITY",
199      "INITIAL_COUNT",
200      "INITIAL_COUNT_LOW",
201      "INITIAL_COUNT_HIGH",
202      "KEY_POSITION",
203      "KEY_LOW",
204      "KEY_HIGH",
205      "KEY_SIZE",
206      "KEY_TYPE"           /** QUALIFIER TYPE
207      "LOAD_METHOD",
208      "MAX_RECORD_SIZE",
209      "MEAN_RECORD_SIZE",
210      "NUMBER_DUPS",
211      "NUMBER_KEYS",
212      "NUMBER_RECORDS"     /** SYNONYM FOR INITIAL COUNT
213      "PROLOGUE_VERSION",
214      "PROMPTING",
215      "RECORD_FORMAT"       /** QUALIFIER TYPE
216      "RESPONSES",
217      "SCRIPT_OPTION",
218      "SET_FUNCTION",
219      "SIZE_LOW",
220      "SIZE_HIGH",
221      "SURFACE_OPTION",
222      "TEST_PRIMARY",
223      "TEST_SECONDARY",
224      "TEST_SECONDARY_VALUE"
225
226  ) EQUALS #MARK7+1
227  INCREMENT 1
228  PREFIX 'EDFS'
229  COUNTER #MARK8;
230
231  /** Array boundaries definitions

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15-SEP-1984 23:00:51.12
15-SEP-1984 22:43:35

SDL V2.0
\$_\$255\$DUA28:[EDF.SRC]EDFSTRUCT.SDL;1

Page

5

```

232  CONSTANT      "EDFSK_SDATASTART"
233  CONSTANT      "EDFSK_SDATAEND"    EQUALS #MARK3+1;
234
235  CONSTANT      "EDFSK_RDATASTART" EQUALS #MARK5;
236

```

EQUALS #MARK2+1;

```

237 CONSTANT      "EDFSK_RDATAEND"      EQUALS #MARK6;
238
239 CONSTANT      "EDFSK_BDATASTART"
240 CONSTANT      "EDFSK_BDATAEND"      EQUALS #MARK1+1;
241
242 CONSTANT      "EDFSK_IDATASTART"
243 CONSTANT      "EDFSK_IDATAEND"      EQUALS #MARK0;
244
245 CONSTANT      "EDFSK_VDATASTART"
246 CONSTANT      "EDFSK_VDATAEND"      EQUALS #MARK8;
247
248 CONSTANT      "EDFSK_QTABSTART"
249 CONSTANT      "EDFSK_QTABEND"      EQUALS #MARK4+1;
250
251 /** Insert_object collision-action definitions
252
253 CONSTANT      (
254
255     "REPLACE_OBJ",
256     "IGNORE_OBJ",
257     "AFTER_OBJ"
258
259     ) EQUALS 0
260     INCREMENT 1
261     PREFIX "";
262
263 /** Where definitions
264
265 CONSTANT      (
266
267     "IF FULL PROMPT",
268     "LOWER AREA",
269     "PAUSE",
270     "SCREEN"
271
272     ) EQUALS 0
273     INCREMENT 1
274     PREFIX "";
275
276 /** Bucket-weight definitions
277
278 CONSTANT      (
279
280     "SMALLER_BUFFERS",
281     "FLATTER_FILES"
282
283     ) EQUALS 0
284     INCREMENT 1
285     PREFIX "EDF$";
286
287 /** Load-method definitions
288
289 CONSTANT      (
290
291     "FAST CONVERT",
292     "NOFAST CONVERT",
293     "RMS_PUTS"
294
295     ) EQUALS 0
296     INCREMENT 1

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15-SEP-1984 23:00:51.12
15-SEP-1984 22:43:35

SDL V2.0
\$_\$255\$DUA28:[EDF.SRC]EDFSTRUCT.SDL;1

Page 6

```

297      PREFIX 'EDFS';
298
299  /** Surface-option definitions
300
301  CONSTANT  (
302
303    "FILL_SURFACE",
304    "SIZE_SURFACE",
305    "INIT_SURFACE",
306    "ADDED_SURFACE",
307    "KEY_SURFACE"
308    "LINE_SURFACE"
309
310  ) EQUALS 0
311  INCREMENT 1
312  PREFIX 'EDFS';
313
314  /** Current-function definitions
315
316  CONSTANT  (
317
318    "ADD",
319    "DELETE",
320    "EXIT",
321    "HELP",
322    "INVOKE",
323    "MODIFY",
324    "QUIT",
325    "SET",
326    "VIEW"
327
328  ) EQUALS 0
329  INCREMENT 1
330  PREFIX 'EDFS';
331
332  /** Set_function definition
333
334  CONSTANT  (
335
336    "SET_ANALYSIS",
337    "SET_DISPLAY",
338    "SET_EMPHASIS",
339    "SET_GRANULARITY",
340    "SET_NUMBER_KEYS",
341    "SET_OUTPUT",
342    "SET_PROMPTING",
343    "SET_RESPONSES",
344    "SET_SCRIPT",
345    "SET_TEMPLATE"
346
347  ) EQUALS 0
348
349  INCREMENT 1
350  PREFIX 'EDFS';
351
352  /** Responses definitions
353
354  CONSTANT  (
355    "AUTO",
356    "MAN"

```

15-SEP-1984 23:00:51.12
15-SEP-1984 22:43:35

SDL V2.0
\$255\$DUA28:[EDF.SRC]EDFSTRUCT.SDL;1

Page 7

```

357 ) EQUALS 0
358 INCREMENT 1
359 PREFIX 'EDFS';
360
361
362 /** Prompting definitions
363
364 CONSTANT (
365
366     "FULL",
367     "BRIEF"
368
369 ) EQUALS 0
370 INCREMENT 1
371 PREFIX 'EDFS';
372
373
374 /** Granularity definitions
375
376 CONSTANT (
377
378     "ONE",
379     "TWO",
380     "THREE",
381     "FOUR",
382     "DOUBLE"
383
384 ) EQUALS 0
385 INCREMENT 1
386 PREFIX 'EDFS';
387
388
389 /** Script-option definitions
390
391 CONSTANT (
392
393     "ADD KEY FDL",
394     "DELETE KEY FDL",
395     "IDX DESIGN FDL",
396     "REL DESIGN FDL",
397     "SEQ DESIGN FDL",
398     "OPTIMIZE FDL",
399     "REDESIGN FDL",
400     "ZERO_SCRIPT"
401
402 ) EQUALS 0
403 INCREMENT 1
404 PREFIX 'EDFS';
405
406
407
408
409
410
411
412
413
414
415
416

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15-SEP-1984 23:00:51.12
15-SEP-1984 22:43:35

SDL V2.0
-\$255\$DUA28:[EDF.SRC]EDFSTRUCT.SDL;1

Page 8

```

417 CONSTANT (
418   "STRING ANSWER",
419   "REAL ANSWER",
420   "BOOLEAN ANSWER",
421   "INTEGER ANSWER",
422   "KEYWORD ANSWER",
423   "NO ANSWER",
424   "OBJECT ANSWER"
425
426 )
427 ) EQUALS 0
428 INCREMENT 1
429 PREFIX "" TAG "";
430
431 /** Equivalences for Design-cycle definitions
432
433 CONSTANT 'EDFSK_RS' EQUALS 'EDFSK_MEAN_RECORD_SIZE';
434 CONSTANT 'EDFSK_KL' EQUALS 'EDFSK_KEY_SIZE';
435 CONSTANT 'EDFSK_KP' EQUALS 'EDFSK_KEY_POSITION';
436 CONSTANT 'EDFSK_IL' EQUALS 'EDFSK_INITIAL_COUNT';
437 CONSTANT 'EDFSK_BF' EQUALS 'EDFSK_DESIRED_FILL';
438 CONSTANT 'EDFSK_EM' EQUALS 'EDFSK_BUCKET_WEIGHT';
439 CONSTANT 'EDFSK_RF' EQUALS 'EDFSK_RECORD_FORMAT';
440 CONSTANT 'EDFSK_RC' EQUALS 'EDFSK_DATA_RECORD_COMP';
441 CONSTANT 'EDFSK_KC' EQUALS 'EDFSK_DATA_KEY_COMP';
442 CONSTANT 'EDFSK_DK' EQUALS 'EDFSK_KEY_DUPS';
443 CONSTANT 'EDFSK_LM' EQUALS 'EDFSK_LOAD_METHOD';
444 CONSTANT 'EDFSK_AR' EQUALS 'EDFSK_ADDED_COUNT';
445 CONSTANT 'EDFSK_IC' EQUALS 'EDFSK_INDEX_RECORD_COMP';
446 CONSTANT 'EDFSK_WP' EQUALS 'EDFSK_WRITE_PLOT';
447 CONSTANT 'EDFSK_FINISH' EQUALS 'EDFSK_FINAL DESIGN';
448 CONSTANT 'EDFSK_PV' EQUALS 'EDFSK_PROLOGUE_VERSION';
449 CONSTANT 'EDFSK_KT' EQUALS 'EDFSK_KEY_TYPE';
450
451 /* The following are used to interface to the EDF$GRAPH routine.
452 */
453 CONSTANT (
454   LINE
455   , SRF_INCREASING
456   , SRF_DECREASING
457
458 ) EQUALS 0 INCREMENT 1 PREFIX "EDFS" TAG "C";
459
460 CONSTANT (
461   BACKGROUND_COLOR
462
463   DARK_RED
464   , MEDIUM_YELLOW
465   , LIGHT_GREEN
466
467 ) EQUALS 0 INCREMENT 1 PREFIX "EDFS" TAG "C";
468
469 END_MODULE EDFSTRUCT;
470

```

15-SEP-1984 23:00:51.12
15-SEP-1984 22:43:35

SDL V2.0
\$_255\$DUA28:[EDF.SRC]EDFSTRUCT.SDL;1

Page 9

0128 AH-BT13A-SE
VAX/VMS V4.0

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